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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/689,746	10/13/2000	Gyoung-Seon Gil	630-1162P	7079

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EXAMINER

LOKE, STEVEN HO YIN

ART UNIT PAPER NUMBER

2811

DATE MAILED: 04/03/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application N .

09/689,746

Applicant(s)

GIL, GYOUNG-SEON

Examiner

Steven Loke

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 January 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 2 and 4-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2, 4-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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1. Claims 1, 2 and 4-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1, lines 5-7, the phrase "a sidewall of the active layer contiguous the lower portion of the active layer and sidewall of the stepped substrate, respectively" is unclear. Fig. 2 shows the gate insulation film [30] formed on a sidewall portion of the active layer [20] contiguous the lower portion of the active layer and the sidewall of the stepped substrate [10], respectively. Therefore, it is believed that the phrase should change to "a sidewall portion of the active layer contiguous the lower portion of the active layer and the sidewall of the stepped substrate, respectively".

Claim 1, lines 9-10, the phrase "a sidewall of the gate insulating film contiguous the lower portion of the gate insulating film and sidewall of the stepped substrate, respectively". Fig. 2 shows an insulating film [41] formed on a sidewall portion of the gate insulation film [30] contiguous the lower portion of the gate insulation film and the sidewall portion of the active layer [20], respectively. Therefore, it is believed that the phrase should change to "a sidewall portion of the gate insulation film contiguous the lower portion of the gate insulation film and the sidewall portion of the active layer, respectively".

Claim 1, line 12, the phrase "the insulation film" is unclear whether it is being referred to the gate insulation film of line 5 or the insulating film of line 8.

Claim 1, lines 15-16, the phrase "an offset region formed on the whole lower region of the sidewall and substrate corresponding to the insulating film as a single region" is

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not understood. Fig. 2 discloses the offset region [c] formed in a lower sidewall portion of the active layer [20] and the lower portion of the active layer [20] below a bottom of the insulating layer [41]. It is believed that the phrase should change to "an offset region formed in a lower sidewall portion of the active layer and the lower portion of the active layer below a bottom of the insulating layer".

Claim 5, lines 1-2, the phrase "the insulation film is a spin-on-glass film" is unclear. Fig. 2 and the written specification (page 5, line 4) disclose the film [41] is formed of a spin-on-glass. Therefore, it is believed that the insulating film is a spin-on-glass film.

Claim 6, lines 2-3, the phrase "a portion thereof corresponding to the insulation film is an offset region" is unclear. Fig. 2 discloses a portion of the active layer [20] corresponding to the insulating film [41] is an offset region. Therefore, it is believed that the phrase should change to "a portion thereof corresponding to the insulating film is an offset region".

2. Claim 1 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Loke whose telephone number is (703) 308-4920. The examiner can normally be reached on 7:50 am to 5:20 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (703) 308-2772. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

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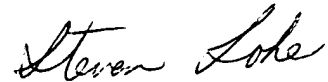
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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

sl
April 1, 2003

Steven Loke
Patent Examiner

A handwritten signature in cursive script that reads "Steven Loke".